

Saskatchewan S9H 3X2, Canada. Received 07/10/1997.

PI 599033. *Triticum durum* Desf.

Cultivar. Pureline. "AC AVONLEA"; DT 661. Pedigree - DT379/DT367//DT367/Medora. Intermediate height, strong strawed durum wheat. In pre-registration field trials yielded slightly more than existing cultivars, and protein concentration 0.6-0.8 percentage units higher. Resistant to prevalent races of common bunt (*Tilletia laevis* and *T. caries*), leaf rust (*Puccinia recondita*), and stem rust (*P. graminis*). Highly susceptible to loose smut (*Ustilago tritici*) races prevalent in western Canada. End-use quality met the standard for the Canada West.

The following were developed by J. Paul Murphy, North Carolina State University, Dept of Crop Science, Box 7620, Raleigh, North Carolina 27695-7620, United States; Steven Leath, USDA, ARS, North Carolina State University, Dept. of Plant Pathology, Raleigh, North Carolina 27695, United States; R.A. Navarro, North Carolina State University, North Carolina Agric. Exp. Station, Raleigh, North Carolina, United States; Ainong Shi, North Carolina State University, Department of Plant Pathology, Box 7616, Raleigh, North Carolina 27695, United States; D. Huynh, USDA-ARS, North Carolina State University, Dept. of Crop Science, Raleigh, North Carolina 27695-7629, United States. Received 07/11/1997.

PI 599034. *Triticum aestivum* L., nom. cons.

Breeding. Pureline. NC96BGTA4. GP-548. Pedigree - SALUDA*3/PI 221414. Soft red winter wheat adapted to Southeastern United States. BC2-F5 derived line. Resistant to prevalent powdery mildew (*Blumeria graminis*) isolates found in cultivation in North Carolina during 1994, 1995, and 1996 seasons. Source of resistance was *Triticum monococcum* sp. monococcum accession, PI 221414, collected in Yugoslavia. Plant height and maturity similar to recurrent parent Saluda.

PI 599035. *Triticum aestivum* L., nom. cons.

Breeding. Pureline. NC96BGTA5. GP-549. Pedigree - Saluda*3/PI 427662. Soft red winter wheat adapted to Southeastern United States. BC2-F5 derived line. Resistant to prevalent powdery mildew (*Blumeria graminis*) isolates found in cultivation in North Carolina during 1994, 1995, and 1996 seasons. Source of resistance was *Triticum monococcum* sp. aegilopoides accession, PI 427662, collected in Iraq. Plant height and maturity similar to recurrent parent Saluda.

PI 599036. *Triticum aestivum* L., nom. cons.

Breeding. Pureline. NC96BGTA6. GP-550. Pedigree - SALUDA*3/PI 427772. Soft red winter wheat adapted to Southeastern United States. BC2-F5 derived line. Resistant to prevalent powdery mildew (*Blumeria graminis*) isolates found in cultivation in North Carolina during 1994, 1995, and 1996 seasons. Source of resistance was *Triticum monococcum* sp. aegilopoides accession, PI 427772, collected in Iraq. Plant height and maturity similar to recurrent parent Saluda.

The following were collected by Gideon Ladizinsky, Hebrew University, Faculty of Agriculture, P.O. Box 12, Rehovot, Israel. Received 01/01/1988.